| Inde | x of | Clair | ns |
|------|------|-------|----|
|      |      |       |    |

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 10/658,403              | FRANK ET AL.                            |
| Examiner                | Art Unit                                |
| Thu Khanh T. Nguyen     | 1722                                    |

| 1  | Rejected |
|----|----------|
| 11 | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

|               |          |          | <u> </u> |          |                 |  | J  |                 |          | 1                 |   |       |          |          |              |              | •                 | J        | L            |
|---------------|----------|----------|----------|----------|-----------------|--|--|-----------------|----------|-------------------|---|-------|----------|----------|--------------|--------------|-------------------|----------|--------------|
| Cla           | aim      |          |          | -        |                 | Dat  | е  |                 |          |                   | ] | Cla   | aim      |          |              |              |                   | Dat      | le           |
| Final         | Original | 4/21/05  |          |          |                 |  |  |                 |          |                   |   | Final | Original |          |              |              |                   |          |              |
|               | 1        | V        |          |          |                 |  |  |                 |          |                   |   |       | 51       |          |              |              |                   |          | †            |
|               | 2        | V        | _        |          |                 |  |  | lacksquare      |          | <u> </u>          |   |       | 52       |          | L            |              |                   |          | I            |
|               | 3        | ٧        |          | ├_       | <u> </u>        | _  | <u> </u>   | -               | 1        | ├                 | Į |       | 53       | _        | <u> </u>     | _            | <u> </u>          | <b>├</b> | 1            |
|               | 4        | V        | -        | ╀        | ┢               | _  |  |                 | -        | <del> </del>      |   |       | 54       |          | ⊢            | _            | ┞                 | ⊬        | ╀            |
| -             | 5<br>6   | V<br>V   |          | ╀        | ├               | <del>                                     </del> | 1  | 1               | ⊢        | ├                 |   | -     | 55       | $\vdash$ | ├            | ┼            | ╀                 | ╀        | ╀            |
|               | 7        | V        |          | ╂─       | ╁               |  | ├-   | ┼─              | ├        | ├                 | - |       | 56<br>57 |          | ╀            | ├            | ╁                 | ╁        | ╁            |
|               | 8        | V        | $\vdash$ | ┢        | $\vdash$        | -  |  | <del> </del>    | ╫        | $\vdash$          | 1 |       | 58       | ╁        | ╀            | ┢            | ╁                 | $\vdash$ | $\dagger$    |
|               | 9        | V        | 一        | $\vdash$ | $\vdash$        | <del>                                     </del> | <del>                                     </del> | t               | $\vdash$ | ┢                 | 1 |       | 59       | $\vdash$ |              | ┢            |                   | ┢        | $\dagger$    |
|               | 10       | V        |          |          |                 |  | 1  | T               |          |                   | 1 |       | 60       | 一        |              | <u> </u>     |                   | <u> </u> | †            |
|               | 11       | ٧        |          |          |                 |  |  |                 |          |                   |   |       | 61       |          |              |              |                   | $\vdash$ | t            |
|               | 12       | ٧        |          |          |                 |  |  |                 |          |                   | ] |       | 62       |          |              |              |                   |          | Ι            |
|               | 13       | ٧        | _        |          |                 |  |  |                 |          |                   |   |       | 63       |          |              |              |                   |          | I            |
|               | 14       | ٧        |          |          | <u> </u>        |  |  | $oxed{igspace}$ | L.       |                   |   |       | 64       | <u> </u> |              | <u> </u>     |                   | _        | 1            |
|               | 15       | ٧        | _        | _        | _               |  |  | <u> </u>        | <u> </u> | _                 |   |       | 65       | ļ        |              | <u> </u>     | ╙                 |          | $\downarrow$ |
| <b></b>       | 16       | ٧        |          |          |                 | <del> </del>                                     |  | ├               |          |                   |   |       | 66       | <u> </u> | <u> </u>     | ├-           | ▙                 | ╙        | ╀            |
| -             | 17       | V<br>V   | -        |          |                 | <del> </del>                                     |  | ├               |          |                   |   |       | 67       | _        |              | ┝-           | <u> </u>          | ╀        | ╀            |
| $\vdash$      | 18<br>19 | V        | -        |          |                 | -  | _  | ┢               | _        |                   |   |       | 68<br>69 |          |              | -            | ├                 | ├        | ╀            |
| -             | 20       | V        | -        |          |                 |  |  | ├               |          |                   |   |       | 70       |          | ⊢            | ├            | ⊢                 | ├        | ╁            |
|               | 21       | ٧        |          | $\vdash$ |                 |  | -  | $\vdash$        | ┝        |                   |   |       | 71       | -        | ┝            | <del> </del> | ╁                 | ╁        | t            |
|               | 22       | 广        | <u> </u> |          | $\vdash$        |  | <del> </del> -                                   | <del> </del>    |          | ╁╌                |   |       | 72       | ╁─       | <del> </del> | H            | ├                 | ╁        | $\dagger$    |
| -             | 23       |          |          |          | -               | $\vdash$   | $\vdash$   |                 |          |                   |   |       | 73       |          | -            |              | <del> </del>      | ╁        | t            |
|               | 24       |          |          |          |                 |  |  |                 |          | $\vdash$          |   |       | 74       |          |              |              |                   |          | t            |
|               | 25       |          |          |          |                 |  |  |                 |          |                   |   |       | 75       |          |              |              |                   |          | T            |
|               | 26       |          |          |          |                 |  |  |                 |          |                   |   |       | 76       |          |              |              |                   |          | Γ            |
|               | 27       |          |          |          | <u> </u>        | _  |  |                 | <u> </u> |                   |   |       | 77       |          |              |              |                   |          |              |
|               | 28       |          |          | <u> </u> | _               |  |  | ļ               | _        |                   |   |       | 78       |          | <u> </u>     |              |                   | <u> </u> |              |
|               | 29       |          |          | <u> </u> | _               |  | _  | ļ               | _        | <u> </u>          |   |       | 79       | <u> </u> |              | <u> </u>     |                   | ╙        | $\downarrow$ |
|               | 30       |          |          | $\vdash$ | <u> </u>        |  | <u> </u>   |                 | <u> </u> | <u> </u>          |   |       | 80       |          |              | _            | _                 | ⊢        | ╀            |
| -             | 31       |          |          | _        |                 |  |  | -               | _        | <u> </u>          |   |       | 81       | <u> </u> |              | <del> </del> | <u> </u>          | ⊢        | ╀            |
| -             | 33       |          |          | $\vdash$ |                 | _  | $\vdash$   | -               | _        |                   |   |       | 82<br>83 |          | <del> </del> | -            | ├—                | $\vdash$ | ╀            |
| -             | 34       |          | _        | ┝        |                 |  |  |                 |          |                   |   |       | 84       |          | $\vdash$     | -            |                   | -        | t            |
|               | 35       |          |          |          |                 |  | ┪  |                 | _        |                   |   | _     | 85       |          |              | <u> </u>     |                   |          | t            |
|               | 36       |          |          |          |                 |  |  | 一               |          |                   |   |       | 86       | <b> </b> |              |              |                   |          | t            |
|               | 37       |          |          |          |                 |  |  |                 |          |                   |   |       | 87       |          |              |              |                   |          | t            |
|               | 38       |          |          |          |                 |  |  |                 |          |                   |   |       | 88       |          |              |              |                   |          | Ī            |
|               | 39       |          |          |          |                 |  |  |                 |          |                   |   |       | 89       |          |              |              |                   |          |              |
| $\vdash$      | 40       |          |          |          |                 |  |  |                 |          |                   |   |       | 90       |          |              | <u> </u>     | $ldsymbol{f eta}$ | _        |              |
|               | 41       |          |          |          |                 |  |  | <u> </u>        |          |                   | ļ |       | 91       | L_       |              | <u> </u>     | L                 |          | L            |
| <b>  </b>     | 42       |          |          |          | <u> </u>        |  |  | <del> </del> -  |          | Щ                 |   |       | 92       | <u> </u> |              |              |                   | <u> </u> | $\perp$      |
| <del>  </del> | 43       | $\dashv$ | -        |          | $\vdash \vdash$ |  | <br>   |                 |          | $\square$         | ¦ |       | 93       | Н        |              |              | <u> </u>          | $\vdash$ | +            |
| <del>  </del> | 44<br>45 |          | _        |          | $\vdash$        |  |  | -               |          | $\vdash \vdash$   |   |       | 94<br>95 |          | $\vdash$     |              | <del> </del>      | $\vdash$ | ╀            |
|               | 46       |          |          |          |                 |  |  | -               |          | H                 |   |       | 96       |          | $\vdash$     | _            | -                 | $\vdash$ | +            |
| $\vdash$      | 47       |          |          |          |                 |  |  |                 | -        | $\vdash$ $\dashv$ |   | -     | 97       |          |              |              |                   |          | +            |
|               | 48       | $\dashv$ |          |          |                 |  |  |                 |          |                   |   | -     | 98       |          |              |              |                   | <u> </u> | H            |
|               | 49       |          |          |          |                 |  |  |                 |          |                   | ľ |       | 99       | Н        |              |              |                   | $\vdash$ | T            |
|               | 50       |          |          |          |                 |  |  |                 |          |                   |   |       | 100      |          |              |              |                   |          |              |
|               |          |          |          |          |                 |  |  |                 |          |                   | _ |       |          |          |              |              |                   |          | _            |

| Cla      | aim      | Date   |                                |  |              |  |  |  |  |   |  |  |
|----------|----------|--|--------------------------------|--|--------------|--|--|--|--|---|--|--|
|          |          |  |                                | П  | Ī            | Γ  | Τ  |  |  |   |  |  |
| ā        | Original |  |                                |  |              |  |  |  |  |   |  |  |
| Final    | Tri      |  |                                |  |              |  |  |  |  |   |  |  |
|          | ٥        |  |                                |  |              |  |  |  |  |   |  |  |
|          | 51       | 1  | 1                              | 1  | 1            | t  | 1  | T  | <del>                                     </del> |   |  |  |
|          | 52       |  | T                              | <del>                                     </del> |              | <del>                                     </del> |  | T  | T  |   |  |  |
|          | 53       |  | 1                              | †  |              | t  |  | <del>                                     </del> | <del>                                     </del> |   |  |  |
|          | 54       |  | 1                              |  |              | <del>                                     </del> | $\vdash$   |  | T  |   |  |  |
|          | 55       |  | Т                              |  | $\vdash$     |  | <del>                                     </del> | †  |  |   |  |  |
|          | 56       |  | $\top$                         | 1  |              |  | $\vdash$   | 1  |  | <del>                                     </del>  |  |  |
|          | 57       |  | $\top$                         | <u> </u>   | T            | <u> </u>   |  |  | $\vdash$   |   |  |  |
|          | 58       |  |                                | $\Box$   |              |  | T  | 1  |  |   |  |  |
|          | 59       |  |                                |  |              |  |  | $\vdash$   |  |   |  |  |
|          | 60       |  |                                |  |              |  |  |  |  |   |  |  |
|          | 61       |  |                                |  |              |  |  |  |  |   |  |  |
|          | 62       |  |                                |  |              |  | [ ]  |  |  |   |  |  |
|          | 63       |  |                                |  |              |  |  |  |  |   |  |  |
|          | 64       |  |                                |  |              |  |  |  |  |   |  |  |
|          | 65       |  |                                |  |              |  |  |  |  |   |  |  |
|          | 66       |  |                                |  |              |  |  |  |  |   |  |  |
|          | 67       | $oxedsymbol{oxedsymbol{oxed}}$                   | Ĺ                              | Ĺ  | Ĺ            | 匚  |  |  |  |   |  |  |
|          | 68       |  | Ĺ                              |  | Ĺ            | oxdot  |  | Ĺ  |  |   |  |  |
|          | 69       |  | Ĺ                              | L  | Ĺ            | Ĺ  |  |  |  |   |  |  |
|          | 70       |  | $oxedsymbol{oxedsymbol{oxed}}$ | L  | oxdot        | igsqcup  |  |  | Ĺ  |   |  |  |
| <u></u>  | 71       | <u> </u>   | <u> </u> _                     | L  | <u> </u>     | _  | <u></u>  | <u> </u>   | _  | igsqcup |  |  |
| <u></u>  | 72       |  |                                | Ĺ  | ļ            | <u> </u>   |  |  | <u>_</u>   |   |  |  |
| <u></u>  | 73       |  | <u> </u>                       | <u> </u>   |              | $\vdash$   | <u> </u>   | <u> </u>   | _  | Ш   |  |  |
| <u> </u> | 74       | <u> </u>   | -                              | <u> </u>   | <u> </u>     | <u> </u>   | <u> </u>   |  | _  |   |  |  |
| -        | 75       |  | <del> </del>                   | <u> </u>   | <u> </u>     |  | _  |  | $\vdash$   | $\vdash \vdash$   |  |  |
|          | 76       | <u> </u>   | <del> </del>                   | $\vdash$   | -            | <del> </del>                                     | <u> </u>   | <u> </u>   | <u> </u>   | $\vdash$  |  |  |
|          | 77       | $\vdash$   | -                              | <del> </del>                                     | $\vdash$     | $\vdash$   | <u> </u>   | <u> </u>   | -  | $\vdash \vdash$   |  |  |
| <b> </b> | 78       | _  | <u> </u>                       | <del> </del>                                     | $\vdash$     | <del> </del>                                     | <del> </del>                                     | $\vdash$   | $\vdash$   | ┝╌╡   |  |  |
| -        | 79       | -  |                                | -  | <del> </del> | -  | <del> </del>                                     |  | <del> </del>                                     | ╂╼┥   |  |  |
|          | 80       | <del> </del>                                     | -                              | -  | $\vdash$     | $\vdash$   | $\vdash$   | -  | -  | $\vdash \vdash$   |  |  |
|          | 81       | -  | -                              | -  | $\vdash$     |  |  | -  | _  | $\vdash$  |  |  |
|          | 82       | $\vdash$   | -                              | -  | $\vdash$     |  |  | <del> </del>                                     | <del> </del>                                     | $\vdash\vdash$  |  |  |
|          | 84       |  | $\vdash$                       | -  |              | <del></del>                                      |  | <del> </del>                                     | -  | ${oldsymbol{dash}}$   |  |  |
|          | 85       | $\vdash$   | $\vdash$                       | <del> </del>                                     |              |  | $\vdash$   |  | $\vdash$   | H   |  |  |
|          | 86       | <del> </del>                                     |                                | <del>                                     </del> |              | <del>                                     </del> | -  | -  |  | H   |  |  |
|          | 87       | <del>                                     </del> | _                              |  | <del> </del> |  | _  |  | -  | $\vdash \vdash$   |  |  |
|          | 88       | -  | -                              |  | $\vdash$     |  |  |  |  | <del>                                     </del>  |  |  |
|          | 89       |  |                                |  |              |  |  |  |  | $\vdash \vdash$   |  |  |
|          | 90       |  |                                |  |              |  |  |  |  | $\vdash$  |  |  |
|          | 91       |  |                                |  |              | -  |  |  |  | $\square$   |  |  |
|          | 92       |  |                                |  |              | М  |  |  |  | $\square$   |  |  |
|          | 93       |  |                                |  |              | П  |  |  |  | $\square$   |  |  |
|          | 94       |  |                                |  |              |  |  |  |  |   |  |  |
|          | 95       |  |                                |  |              |  |  |  |  |   |  |  |
|          | 96       |  |                                |  |              |  |  |  |  |   |  |  |
|          | 97       |  |                                |  |              |  |  |  |  |   |  |  |
|          | 98       |  |                                |  |              |  |  |  |  |   |  |  |
|          | 99       |  |                                |  |              |  |  |  |  |   |  |  |
|          | 100      | i T  | ן ו                            |  |              |  |  |  |  |   |  |  |

| Claim    |            | Date     |  |                |          |                |          |              |              |                  |  |  |
|----------|------------|----------|--|----------------|----------|----------------|----------|--------------|--------------|------------------|--|--|
| Final    | Original   |          |  |                |          |                |          |              |              | 2                |  |  |
|          | 101        |          | <del>                                     </del> | -              |          |                |          | $\vdash$     | -            | H                |  |  |
|          | 102        |          |  |                |          | <b>†</b>       |          | İ            |              |                  |  |  |
|          | 103        |          |  | _              |          |                |          |              |              |                  |  |  |
|          | 104        |          |  |                |          |                |          |              |              |                  |  |  |
|          | 105        |          |  | <u></u>        |          |                |          |              |              |                  |  |  |
|          | 106        |          |  |                |          |                |          |              |              |                  |  |  |
|          | 107        |          |  |                | _        |                | <u> </u> | <u> </u>     |              |                  |  |  |
|          | 108        |          | <u> </u>   | <u> </u>       | igspace  | ļ              | <u> </u> |              | <u> </u>     |                  |  |  |
|          | 109        |          |  | _              |          |                | <u> </u> | _            |              | $\vdash$         |  |  |
|          | 110        |          | <del> </del> -                                   | -              |          |                | _        |              |              |                  |  |  |
|          | 111<br>112 |          |  |                | }        |                | <u> </u> |              |              | -                |  |  |
|          | 113        |          |  | <del> </del> — | $\vdash$ | $\vdash$       | $\vdash$ | $\vdash$     | $\vdash$     | $\mid \mid \mid$ |  |  |
|          | 114        |          |  | <del> </del>   | $\vdash$ | <del>  -</del> |          | $\vdash$     | <del> </del> | $\vdash \vdash$  |  |  |
|          | 115        |          |  |                |          | $\vdash$       | -        | $\vdash$     | -            | H                |  |  |
|          | 116        |          |  |                |          | <b> </b>       |          | $\vdash$     |              | H                |  |  |
|          | 117        |          |  |                |          |                |          |              |              |                  |  |  |
|          | 118        |          |  |                |          |                |          |              |              |                  |  |  |
|          | 119        |          |  |                |          |                |          |              |              |                  |  |  |
|          | 120        |          |  |                |          |                |          |              |              |                  |  |  |
|          | 121        |          |  |                |          |                |          |              |              |                  |  |  |
|          | 122        |          |  |                |          | <u> </u>       |          |              |              | Ц                |  |  |
|          | 123        | -        |  |                |          | _              |          |              | _            |                  |  |  |
|          | 124        |          |  |                |          |                |          |              |              |                  |  |  |
|          | 125        |          |  |                |          |                |          |              |              |                  |  |  |
|          | 126<br>127 |          |  |                | -        | $\vdash$       | _        | -            |              |                  |  |  |
|          | 128        | _        |  | _              |          |                |          |              |              | $\dashv$         |  |  |
| _        | 129        |          |  |                |          |                |          | <del> </del> |              | $\dashv$         |  |  |
|          | 130        | _        |  |                |          |                |          |              |              | $\dashv$         |  |  |
|          | 131        |          |  |                |          |                |          |              |              | $\Box$           |  |  |
|          | 132        |          |  |                |          |                |          |              |              | $\Box$           |  |  |
|          | 133        |          |  |                |          |                |          |              |              |                  |  |  |
|          | 134        |          |  |                |          |                |          |              |              |                  |  |  |
|          | 135        |          |  |                |          | Щ              |          |              |              |                  |  |  |
|          | 136        |          |  |                |          |                |          |              |              |                  |  |  |
|          | 137        | _        | _  |                |          |                | <u> </u> |              |              |                  |  |  |
|          | 138<br>139 |          |  |                |          | $\vdash\vdash$ |          |              |              | $\dashv$         |  |  |
| $\dashv$ | 140        | $\dashv$ |  |                |          | $\vdash$       |          | -            |              | -                |  |  |
|          | 141        | $\dashv$ | ᅱ  |                |          |                |          |              |              | $\dashv$         |  |  |
|          | 142        |          | ᅱ  |                |          |                |          | $\vdash$     |              | $\dashv$         |  |  |
|          | 143        |          |  |                |          |                |          |              |              |                  |  |  |
|          | 144        |          |  |                |          |                |          |              |              |                  |  |  |
|          | 145        |          |  |                |          |                |          |              |              |                  |  |  |
|          | 146        |          |  |                |          |                |          |              |              |                  |  |  |
|          | 147        | _        |  |                |          |                |          |              |              | ]                |  |  |
|          | 148        |          | _  |                |          |                | _        |              |              |                  |  |  |
|          | 149        |          | _  |                | _        |                |          |              |              |                  |  |  |
|          | 150        | l        |  |                |          |                |          |              |              | ]                |  |  |
|          |            |          |  |                |          |                |          |              |              |                  |  |  |